

This Page Is Inserted by IFW Operations
and is not a part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

IMAGES ARE BEST AVAILABLE COPY.

**As rescanning documents *will not* correct images,
please do not report the images to the
Image Problem Mailbox.**

DESIGN METHOD FOR ESSENTIALLY DIGITAL SYSTEMS AND
COMPONENTS THEREOF AND ESSENTIALLY DIGITAL SYSTEMS
MADE IN ACCORDANCE WITH THE METHOD

Catthoor et al.

Appl. No.: Unknown

Atty Docket: IMEC329.001AUS

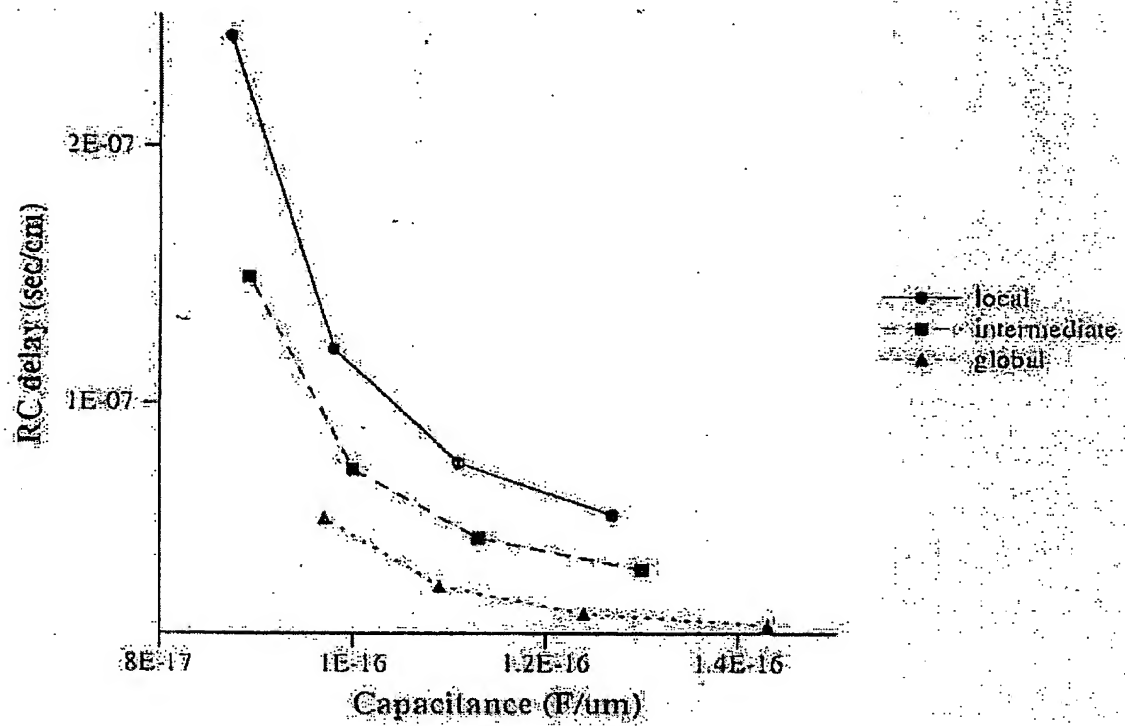


Fig. 1

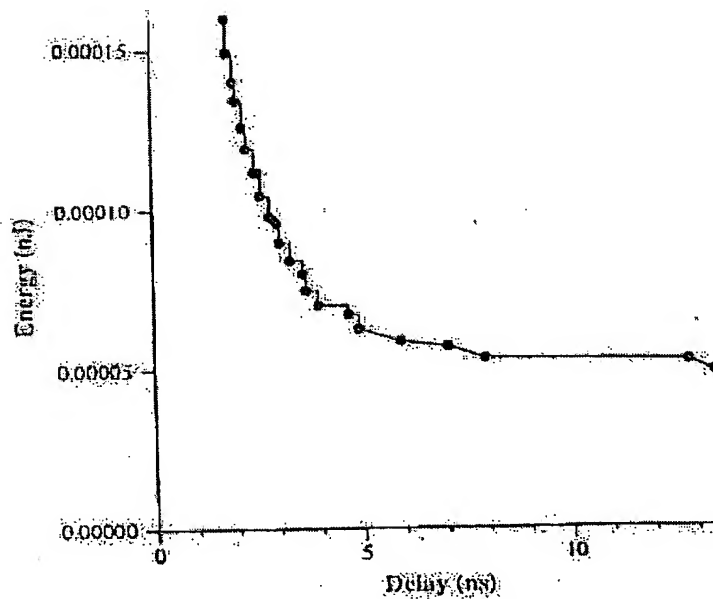


Fig. 2

DESIGN METHOD FOR ESSENTIALLY DIGITAL SYSTEMS AND
COMPONENTS THEREOF AND ESSENTIALLY DIGITAL SYSTEMS
MADE IN ACCORDANCE WITH THE METHOD

Catthoor et al.

Appl. No.: Unknown

Atty Docket: IMEC329.001AUS

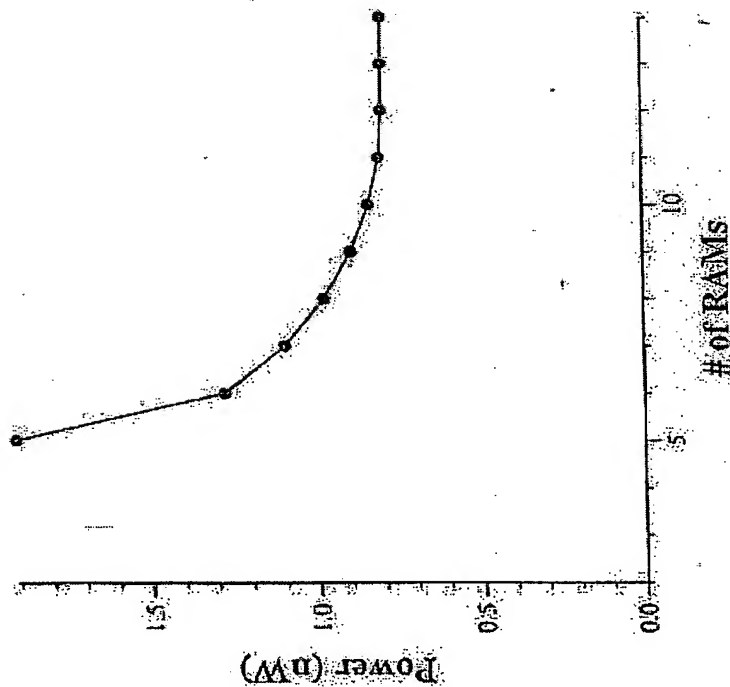
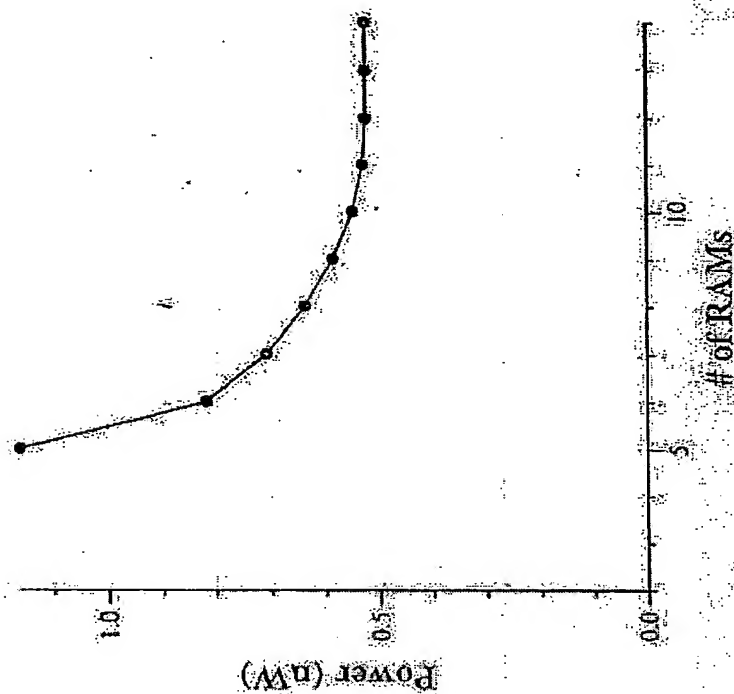


Fig 3

DESIGN METHOD FOR ESSENTIALLY DIGITAL SYSTEMS AND
COMPONENTS THEREOF AND ESSENTIALLY DIGITAL SYSTEMS
MADE IN ACCORDANCE WITH THE METHOD
Cathoor et al.

Appl. No.: Unknown Atty Docket: IMEC329.001AUS

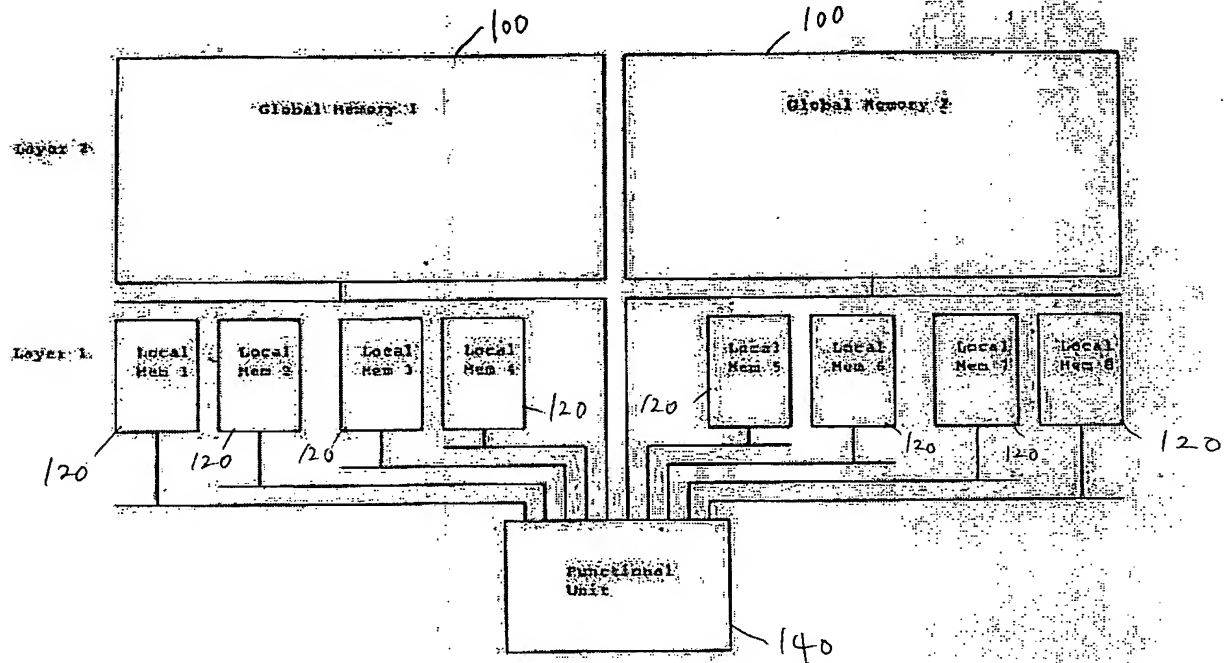


Fig. 4

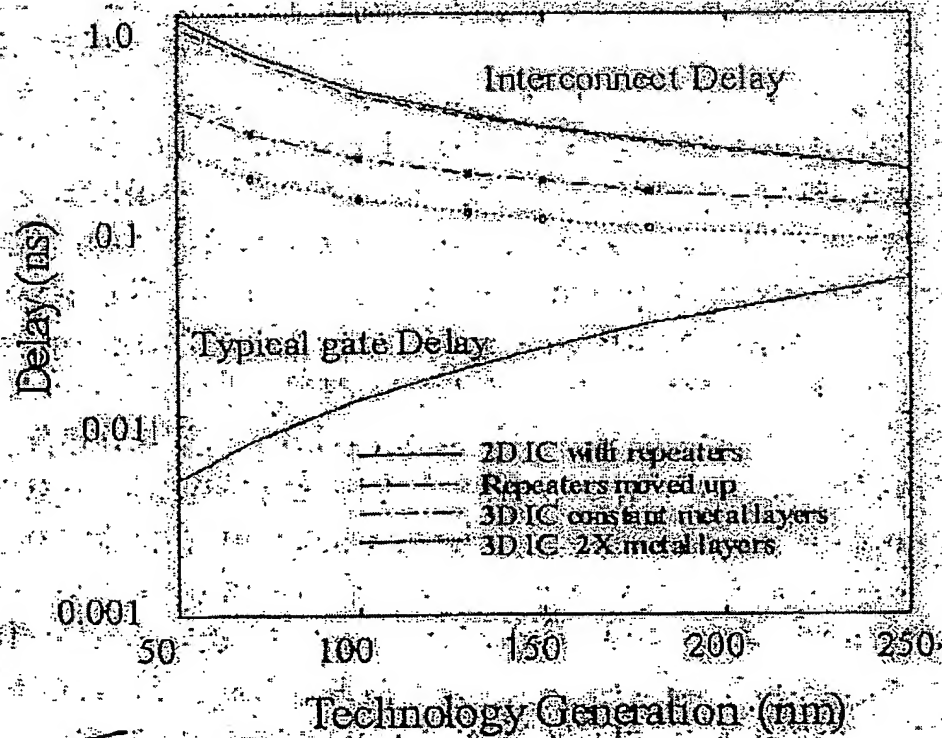


Fig. 5

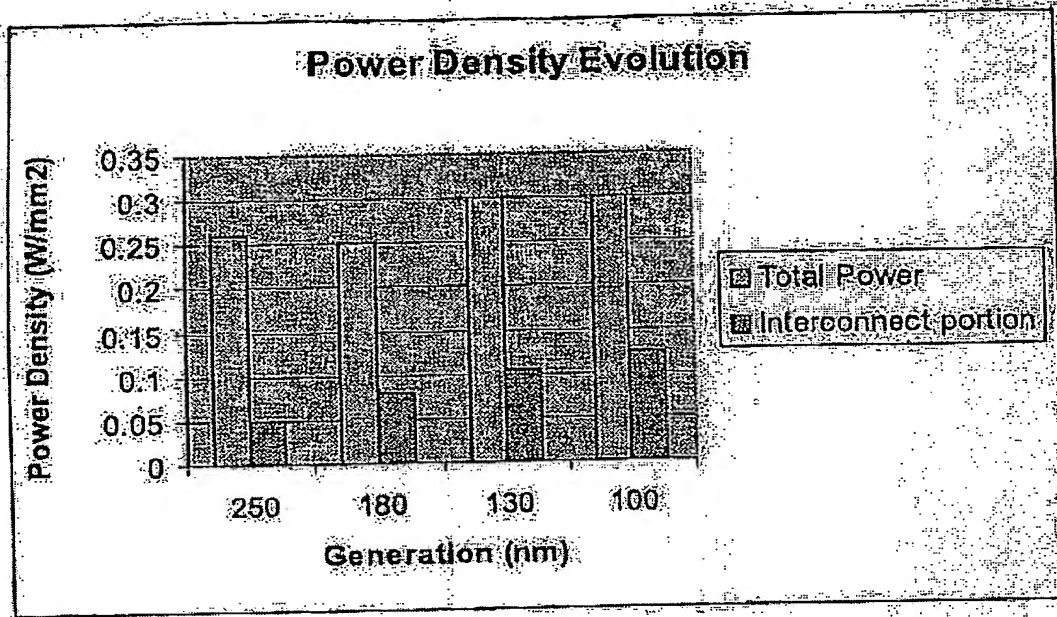


Fig. 6

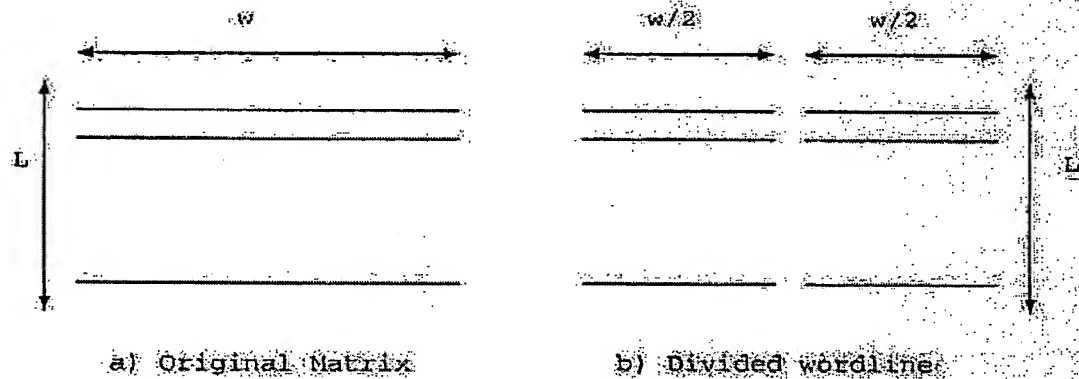
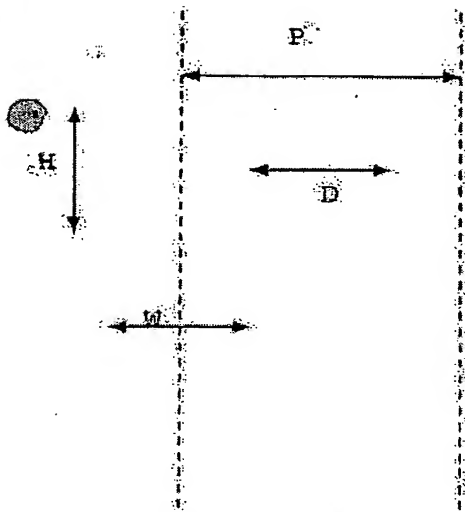


Fig. 9

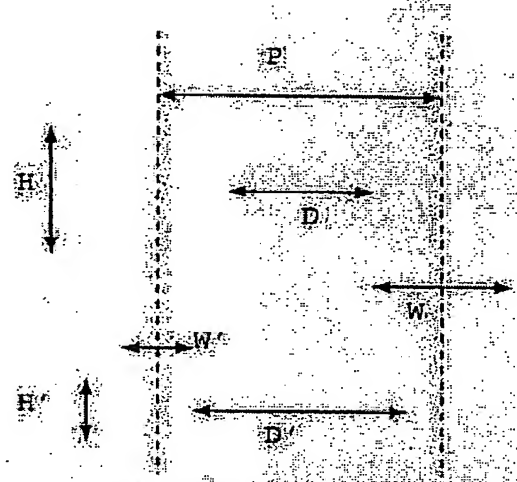
DESIGN METHOD FOR ESSENTIALLY DIGITAL SYSTEMS AND
COMPONENTS THEREOF AND ESSENTIALLY DIGITAL SYSTEMS
MADE IN ACCORDANCE WITH THE METHOD

Catthoor et al.

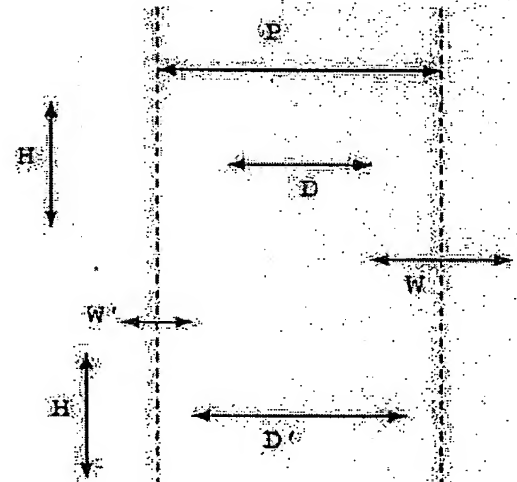
Appl. No.: Unknown Atty Docket: IMEC329.001AUS



a) Past technology nodes



Constant Aspect Ratio



Constant Height

b) Future technology node

Fig. 7

DESIGN METHOD FOR ESSENTIALLY DIGITAL SYSTEMS AND
COMPONENTS THEREOF AND ESSENTIALLY DIGITAL SYSTEMS
MADE IN ACCORDANCE WITH THE METHOD

Catthoor et al.

Appl. No.: Unknown

Atty Docket: IMEC329.001AUS

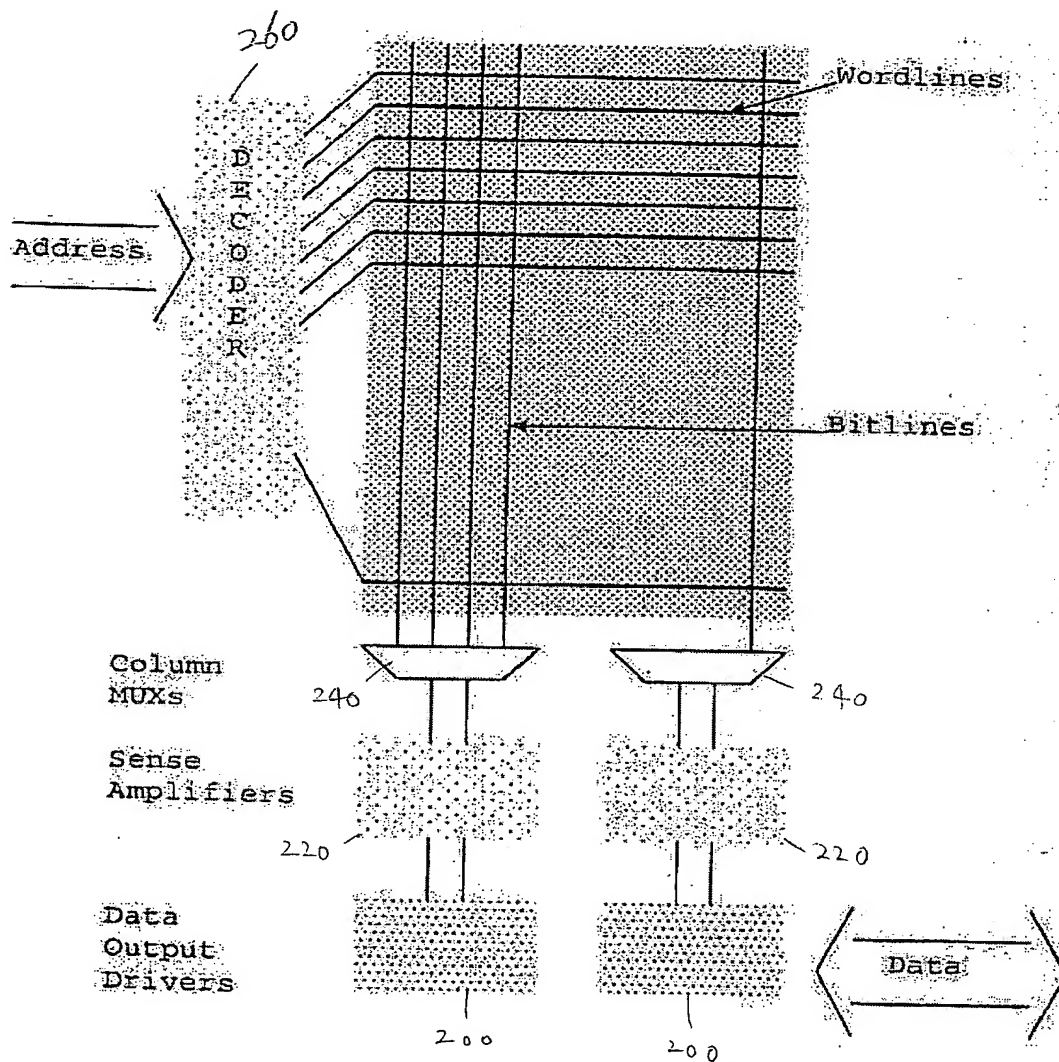


Fig. 8

DESIGN METHOD FOR ESSENTIALLY DIGITAL SYSTEMS AND
COMPONENTS THEREOF AND ESSENTIALLY DIGITAL SYSTEMS
MADE IN ACCORDANCE WITH THE METHOD

Catthoor et al.

Appl. No.: Unknown Atty Docket: IMEC329.001AUS

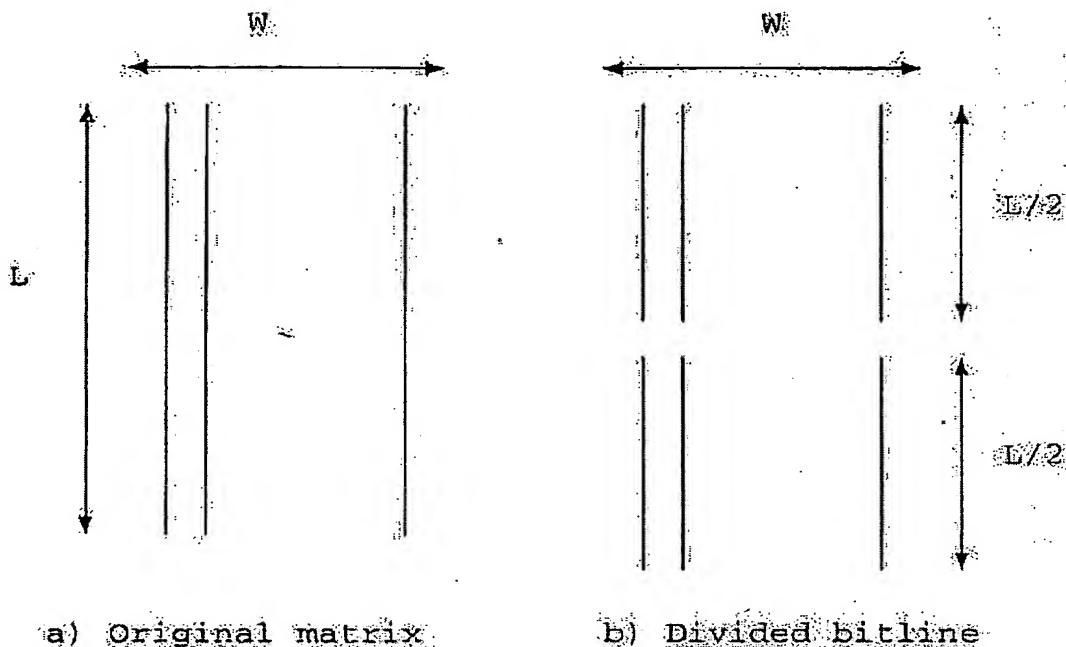


Fig. 10

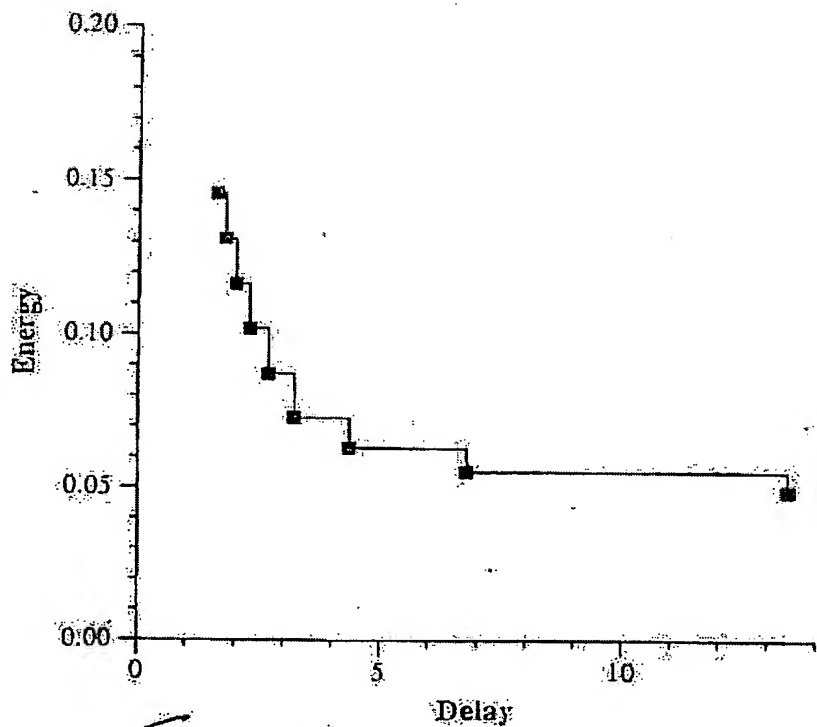


Fig. 11

DESIGN METHOD FOR ESSENTIALLY DIGITAL SYSTEMS AND
COMPONENTS THEREOF AND ESSENTIALLY DIGITAL SYSTEMS
MADE IN ACCORDANCE WITH THE METHOD

Catthoor et al.

Appl. No.: Unknown

Atty Docket: IMEC329.001AUS

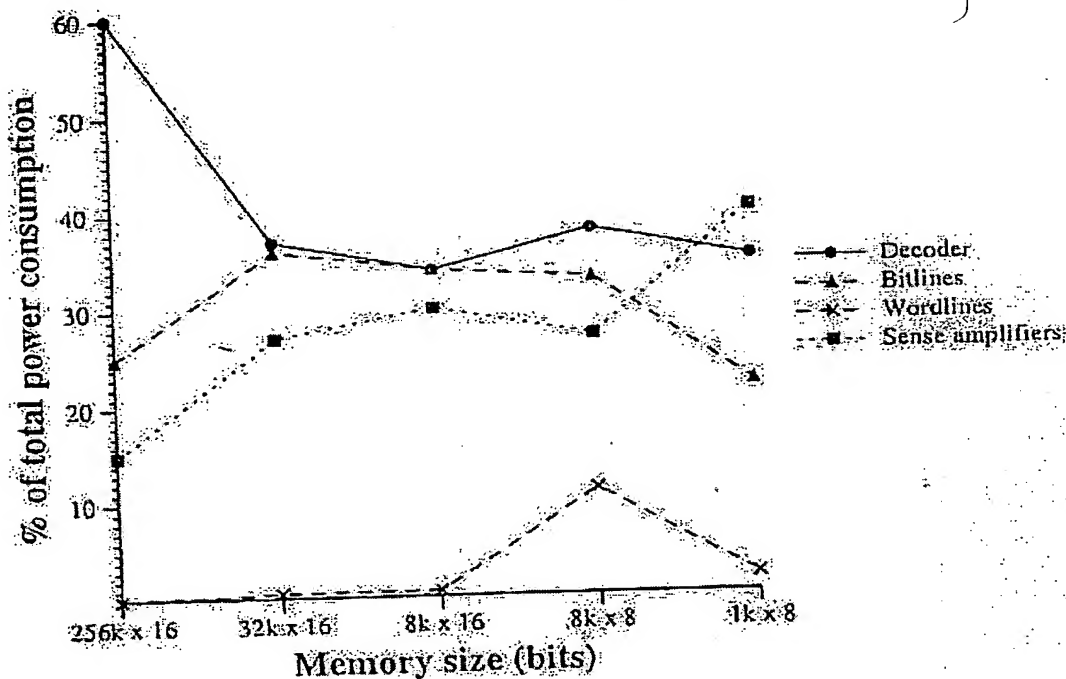


Fig. 12

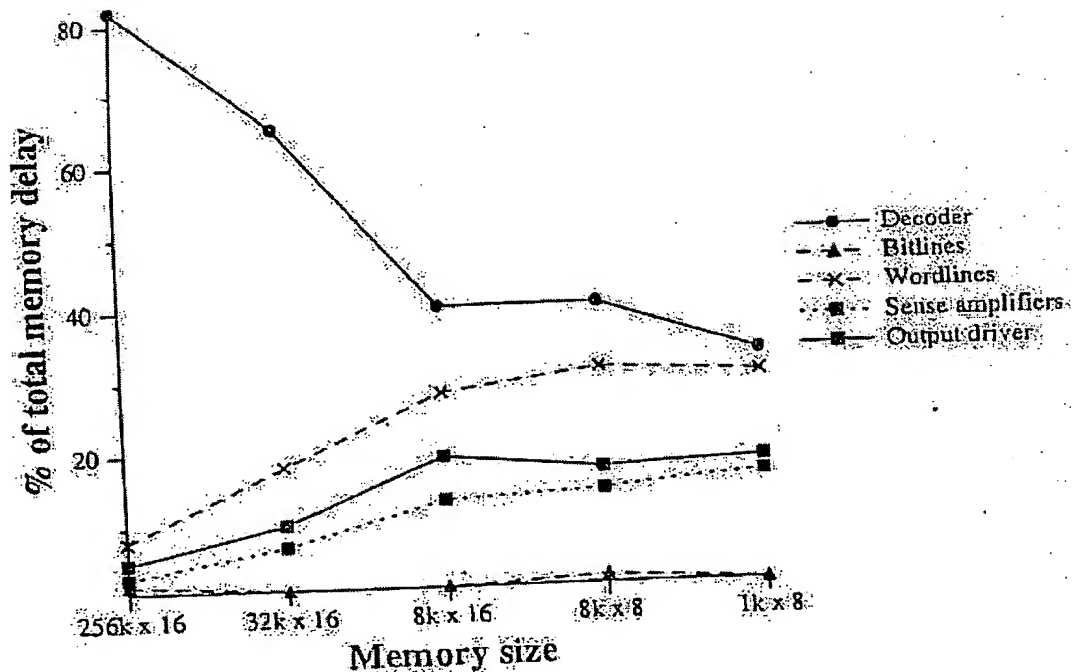


Fig. 13

DESIGN METHOD FOR ESSENTIALLY DIGITAL SYSTEMS AND
COMPONENTS THEREOF AND ESSENTIALLY DIGITAL SYSTEMS
MADE IN ACCORDANCE WITH THE METHOD

Catthoor et al.

Appl. No.: Unknown Atty Docket: IMEC329.001AUS

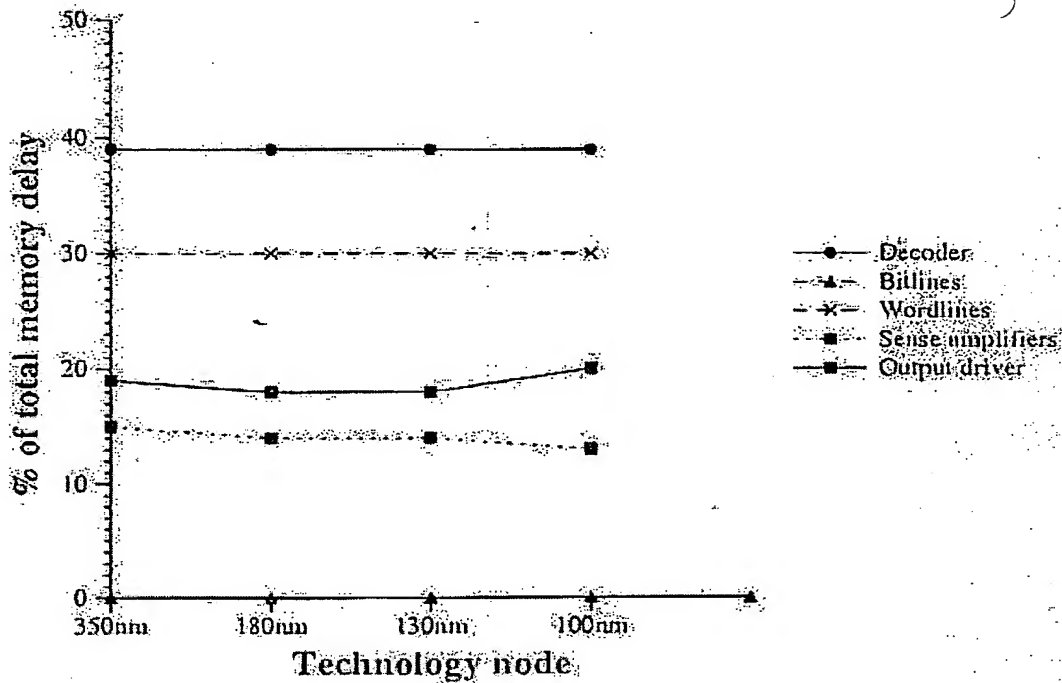


Fig. 14

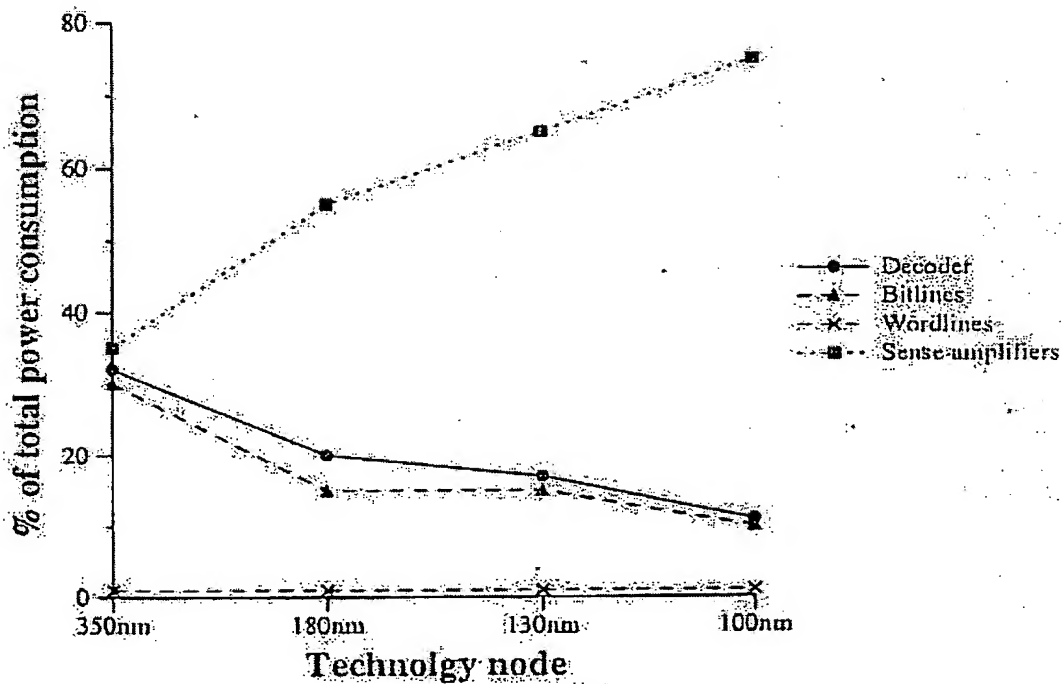


Fig. 15

DESIGN METHOD FOR ESSENTIALLY DIGITAL SYSTEMS AND
COMPONENTS THEREOF AND ESSENTIALLY DIGITAL SYSTEMS
MADE IN ACCORDANCE WITH THE METHOD

Catthoor et al.

Appl. No.: Unknown

Atty Docket: IMEC329.001AUS

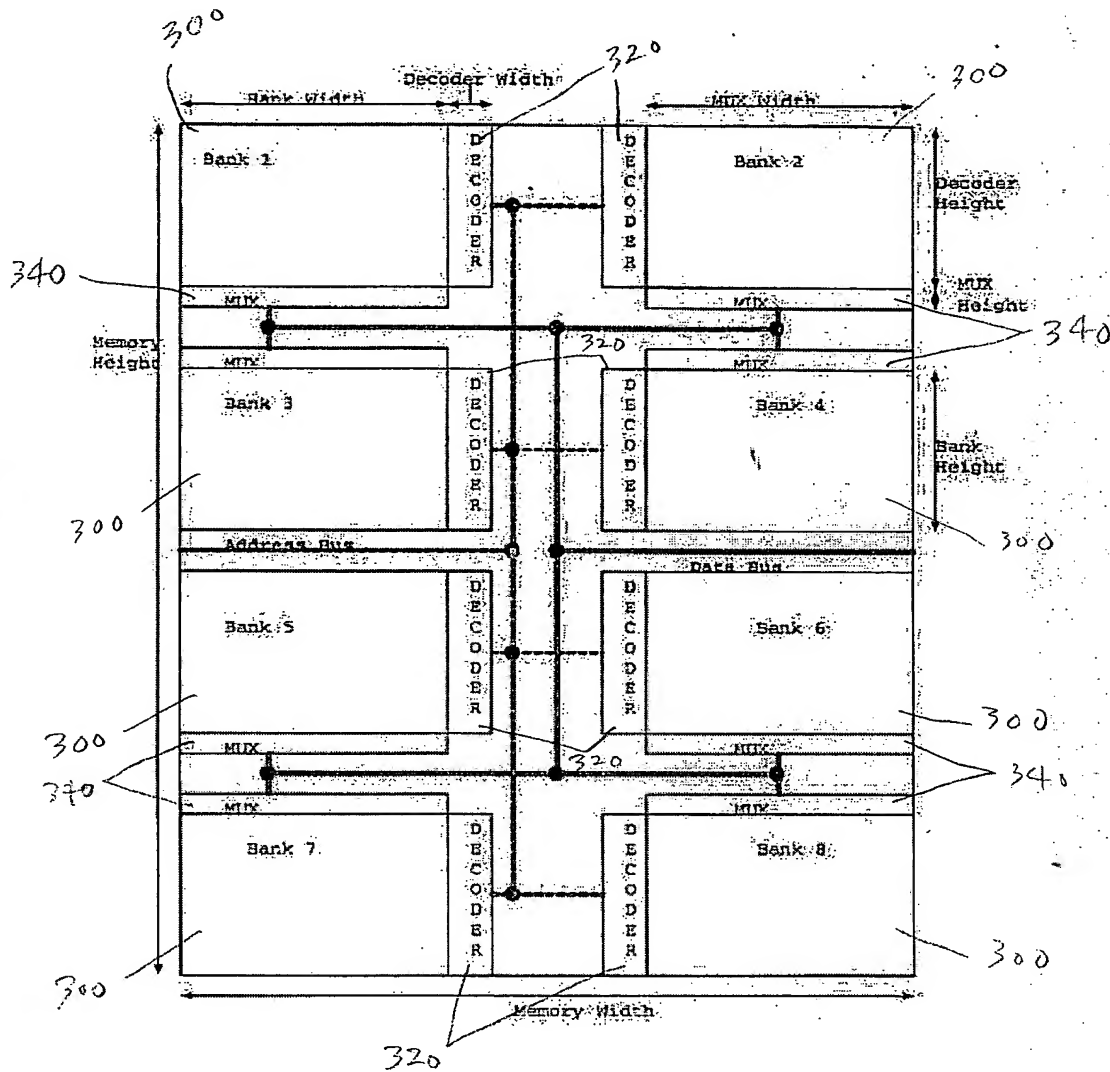


Fig. 16

DESIGN METHOD FOR ESSENTIALLY DIGITAL SYSTEMS AND
COMPONENTS THEREOF AND ESSENTIALLY DIGITAL SYSTEMS
MADE IN ACCORDANCE WITH THE METHOD

Catthoor et al.

Appl. No.: Unknown Atty Docket: IMEC329.001AUS

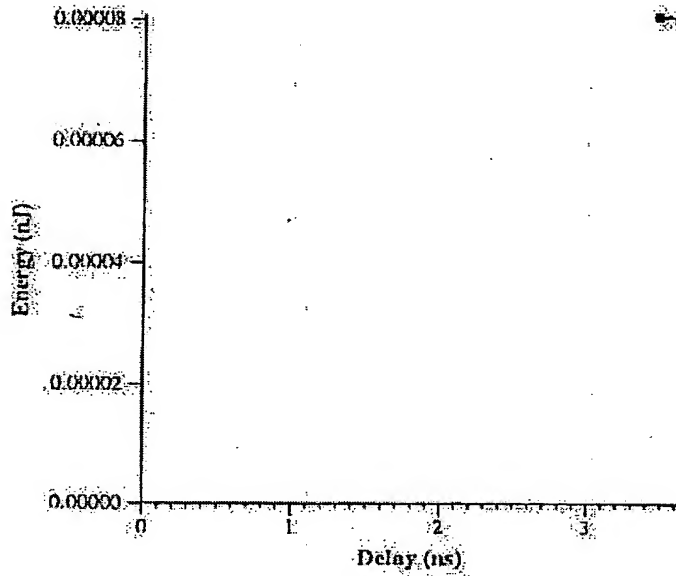


Fig. 17

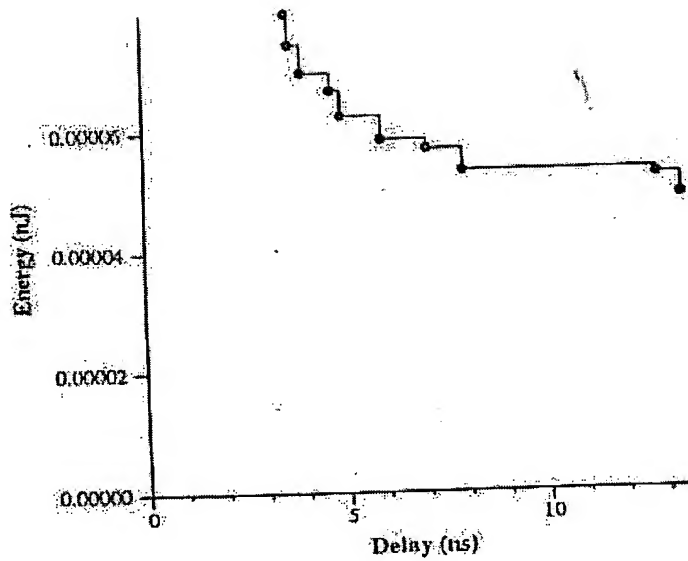


Fig. 18

DESIGN METHOD FOR ESSENTIALLY DIGITAL SYSTEMS AND
COMPONENTS THEREOF AND ESSENTIALLY DIGITAL SYSTEMS
MADE IN ACCORDANCE WITH THE METHOD

Catthoor et al.

Appl. No.: Unknown Atty Docket: IMEC329.001AUS

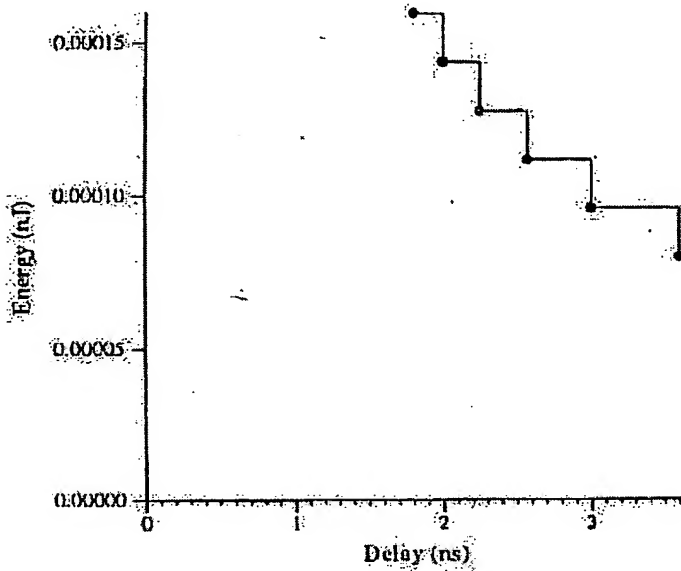


Fig. 19

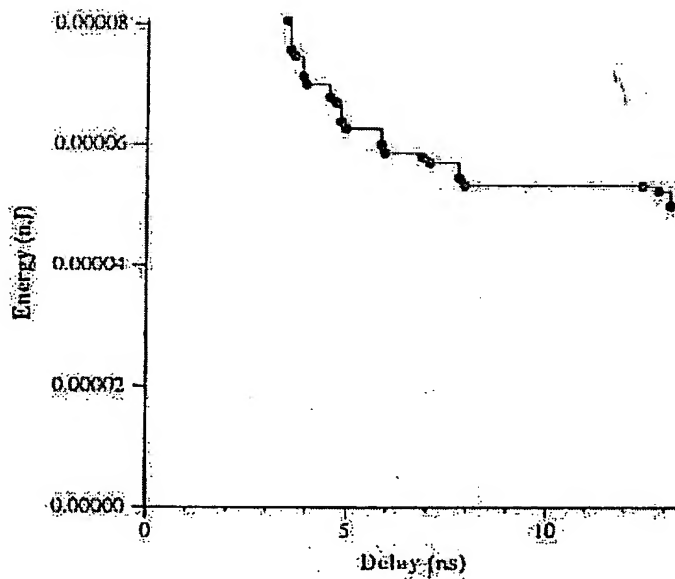


Fig. 20

DESIGN METHOD FOR ESSENTIALLY DIGITAL SYSTEMS AND
COMPONENTS THEREOF AND ESSENTIALLY DIGITAL SYSTEMS
MADE IN ACCORDANCE WITH THE METHOD

Catthoor et al.

Appl. No.: Unknown

Atty Docket: IMEC329.001AUS

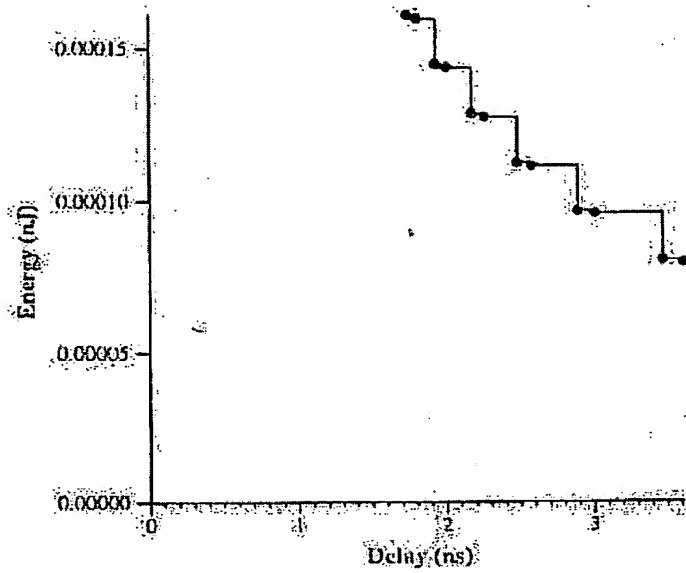


Fig. 21

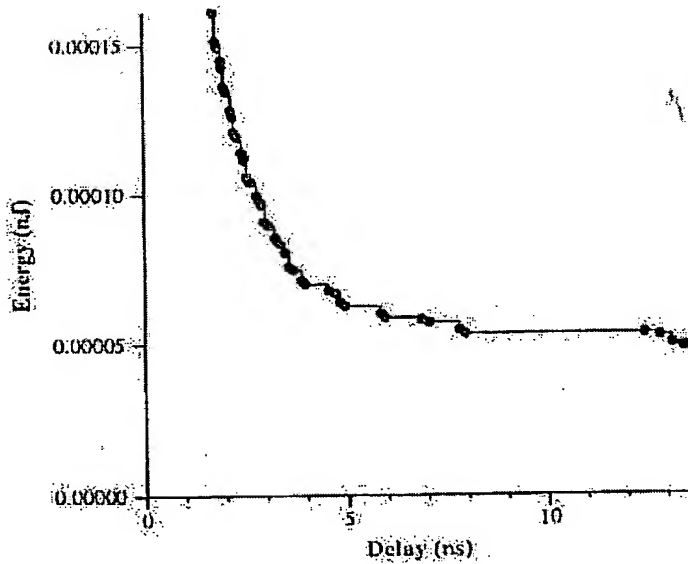


Fig. 22

DESIGN METHOD FOR ESSENTIALLY DIGITAL SYSTEMS AND
COMPONENTS THEREOF AND ESSENTIALLY DIGITAL SYSTEMS
MADE IN ACCORDANCE WITH THE METHOD

Catthoor et al.

Appl. No.: Unknown Atty Docket: IMEC329.001AUS

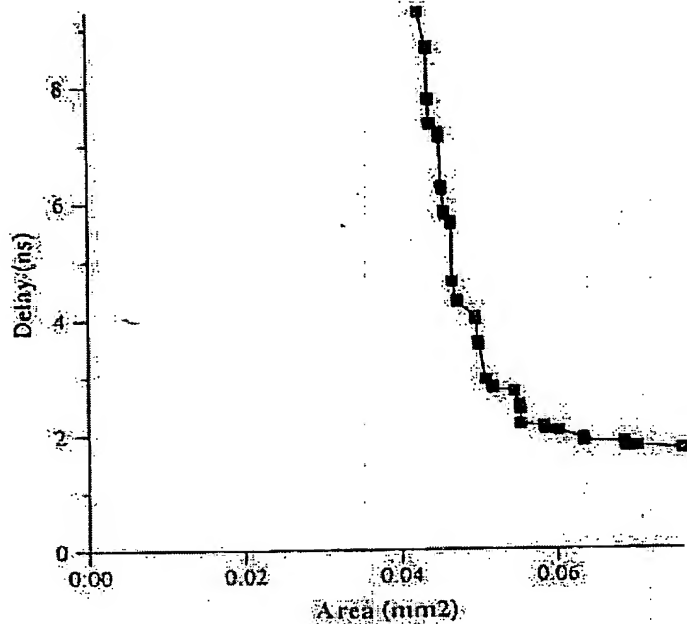


Fig. 23

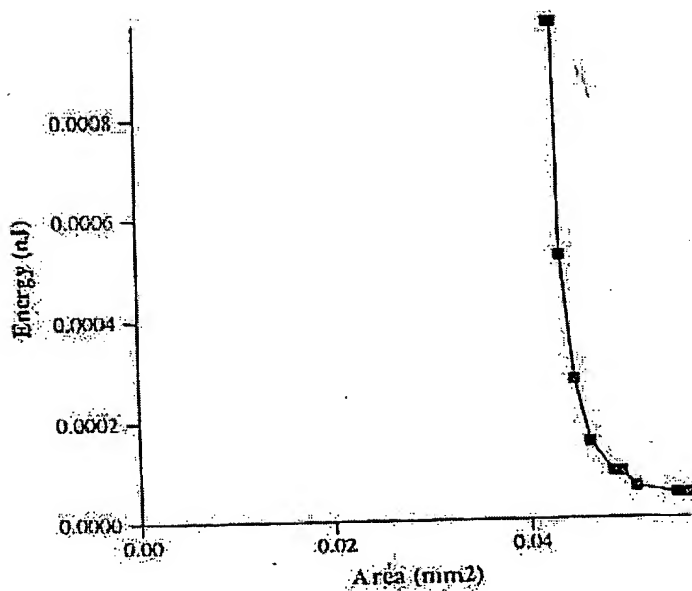


Fig. 24

DESIGN METHOD FOR ESSENTIALLY DIGITAL SYSTEMS AND
COMPONENTS THEREOF AND ESSENTIALLY DIGITAL SYSTEMS
MADE IN ACCORDANCE WITH THE METHOD

Catthoor et al.

Appl. No.: Unknown Atty Docket: IMEC329.001AUS

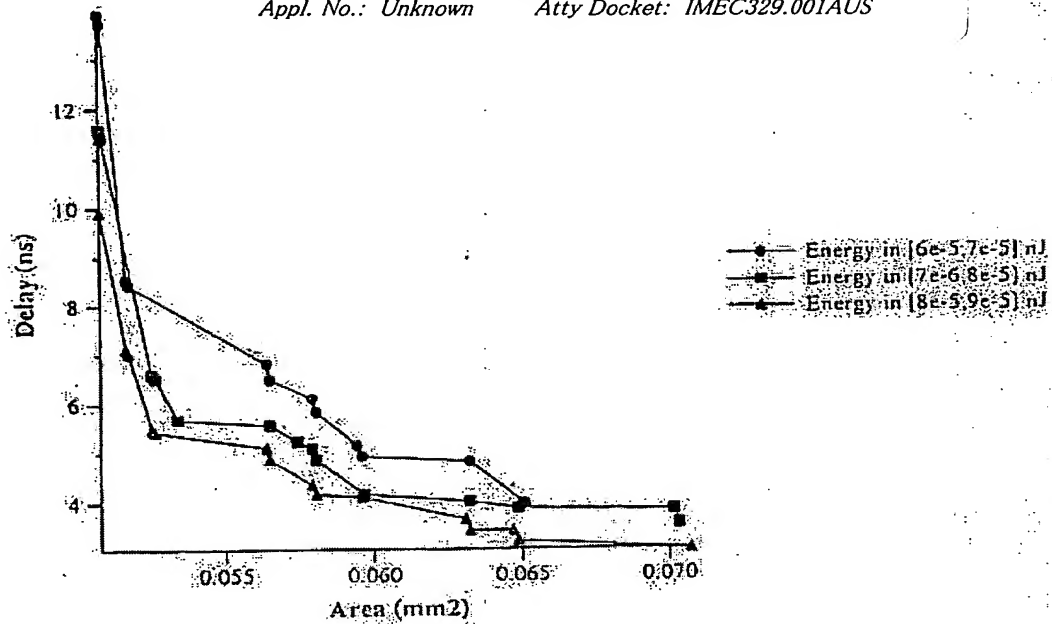


Fig. 25

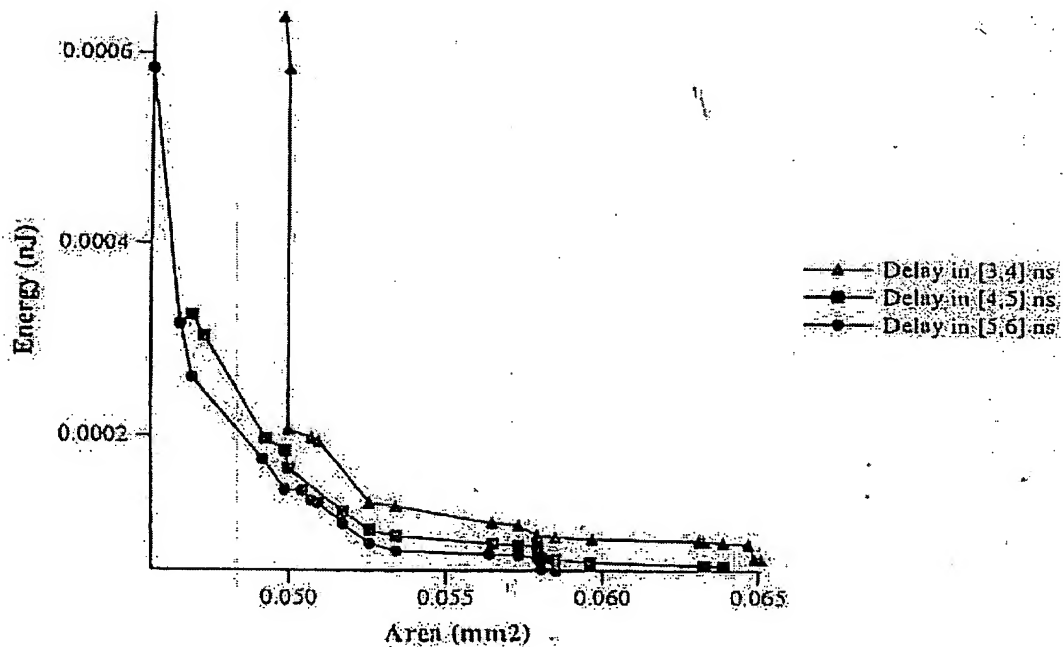


Fig. 26

DESIGN METHOD FOR ESSENTIALLY DIGITAL SYSTEMS AND
COMPONENTS THEREOF AND ESSENTIALLY DIGITAL SYSTEMS
MADE IN ACCORDANCE WITH THE METHOD

Catthoor et al.

Appl. No.: Unknown

Atty Docket: IMEC329.001AUS

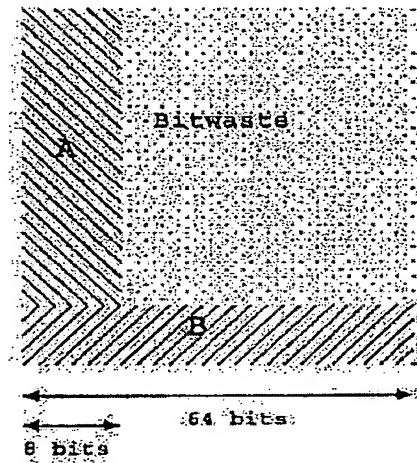


Fig. 27

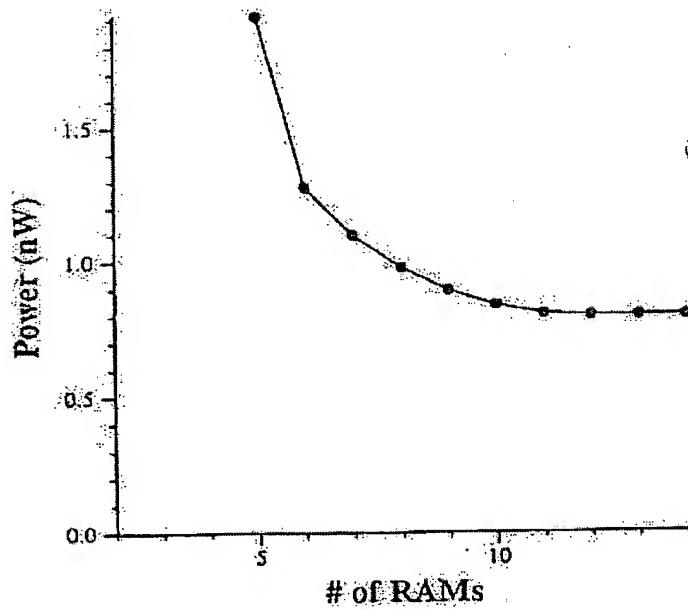


Fig. 28

DESIGN METHOD FOR ESSENTIALLY DIGITAL SYSTEMS AND
COMPONENTS THEREOF AND ESSENTIALLY DIGITAL SYSTEMS
MADE IN ACCORDANCE WITH THE METHOD

Catthoor et al.

Appl. No.: Unknown

Atty Docket: IMEC329.001AUS

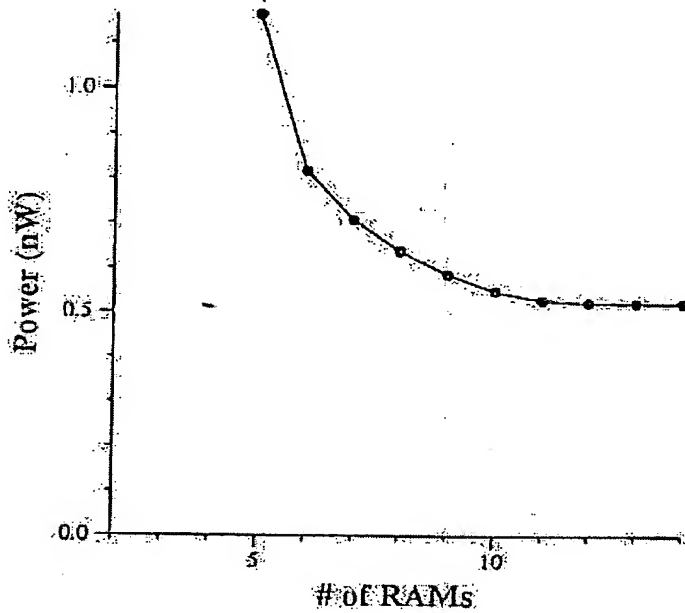


Fig. 29

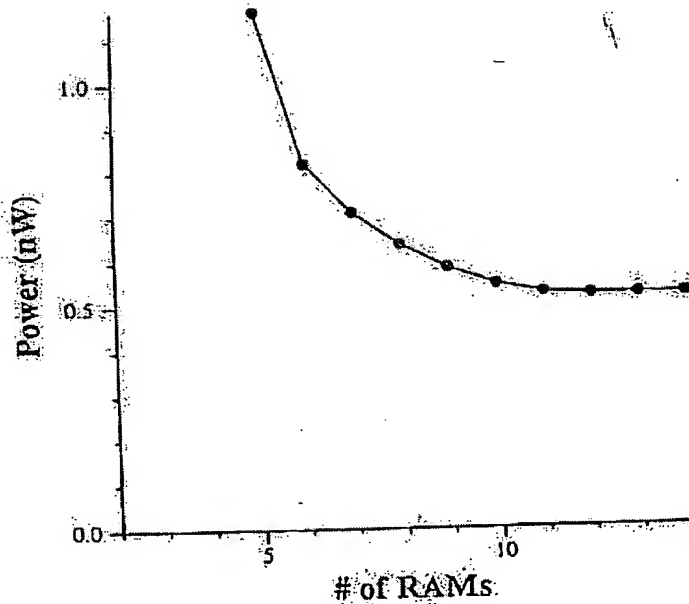


Fig. 30

DESIGN METHOD FOR ESSENTIALLY DIGITAL SYSTEMS AND
COMPONENTS THEREOF AND ESSENTIALLY DIGITAL SYSTEMS
MADE IN ACCORDANCE WITH THE METHOD

Appl. No.: Unknown Catthoor et al.
Atty Docket: IMEC329.001AUS

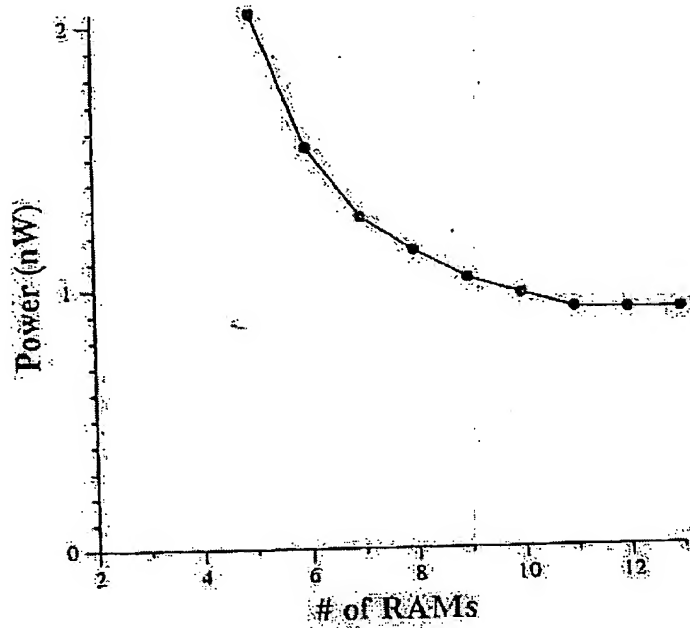


Fig. 31

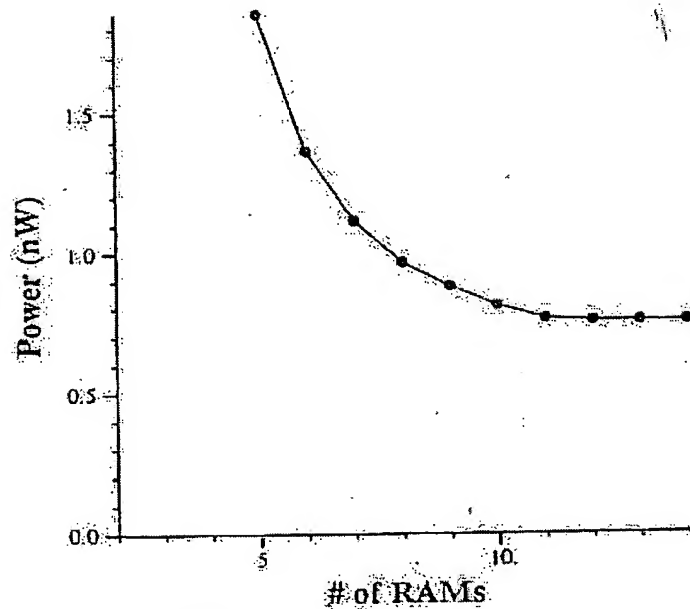


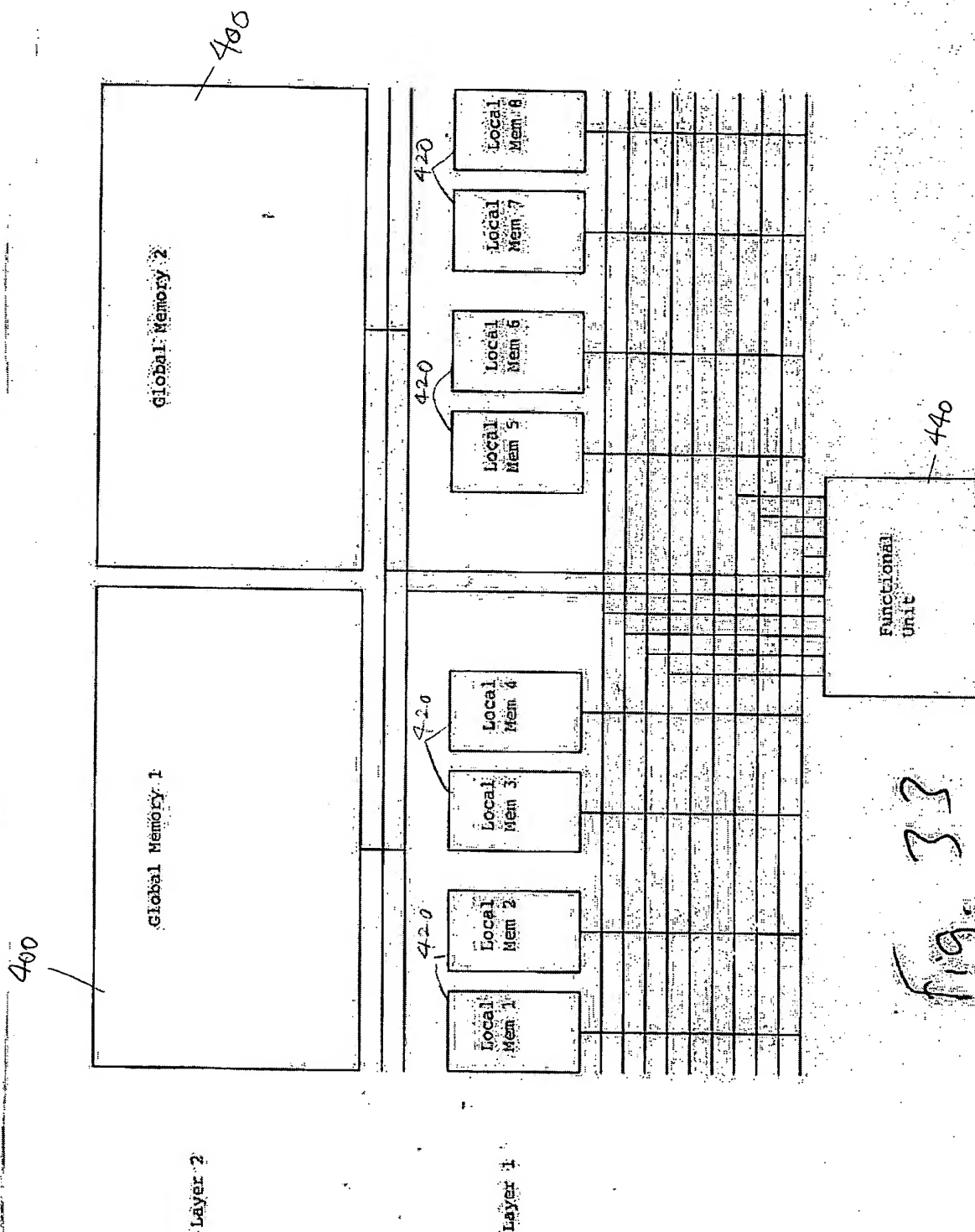
Fig. 32

DESIGN METHOD FOR ESSENTIALLY DIGITAL SYSTEMS AND
COMPONENTS THEREOF AND ESSENTIALLY DIGITAL SYSTEMS
MADE IN ACCORDANCE WITH THE METHOD

Catthoor et al.

Appl. No.: Unknown

Atty Docket: IMEC329.001AUS



DESIGN METHOD FOR ESSENTIALLY DIGITAL SYSTEMS AND
COMPONENTS THEREOF AND ESSENTIALLY DIGITAL SYSTEMS
MADE IN ACCORDANCE WITH THE METHOD

Catthoor et al.

Appl. No.: Unknown

Atty Docket: IMEC329.001AUS

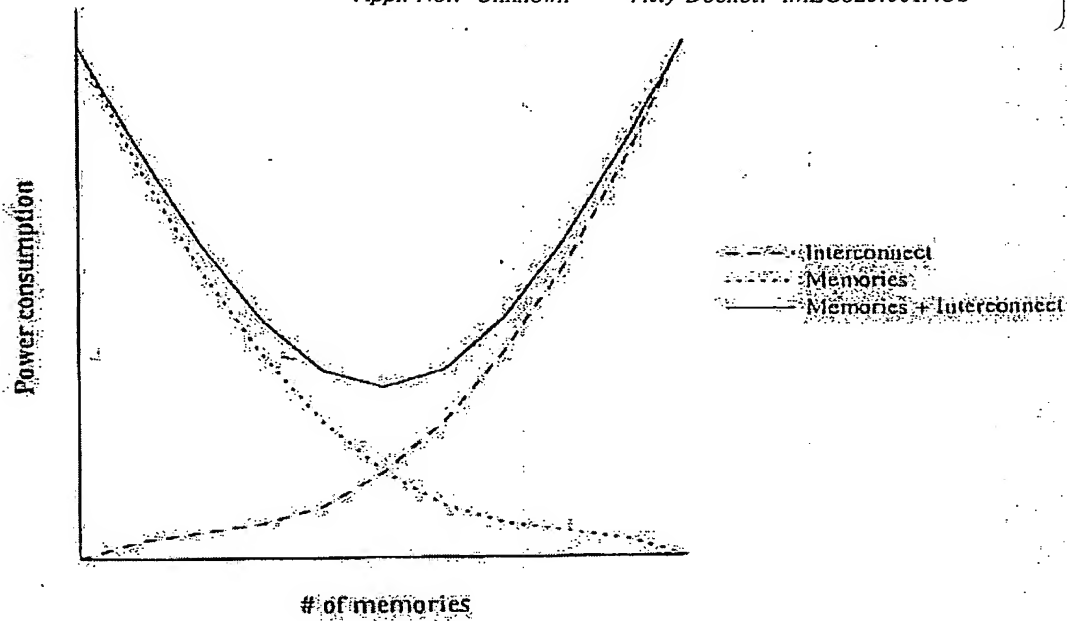


Fig. 34

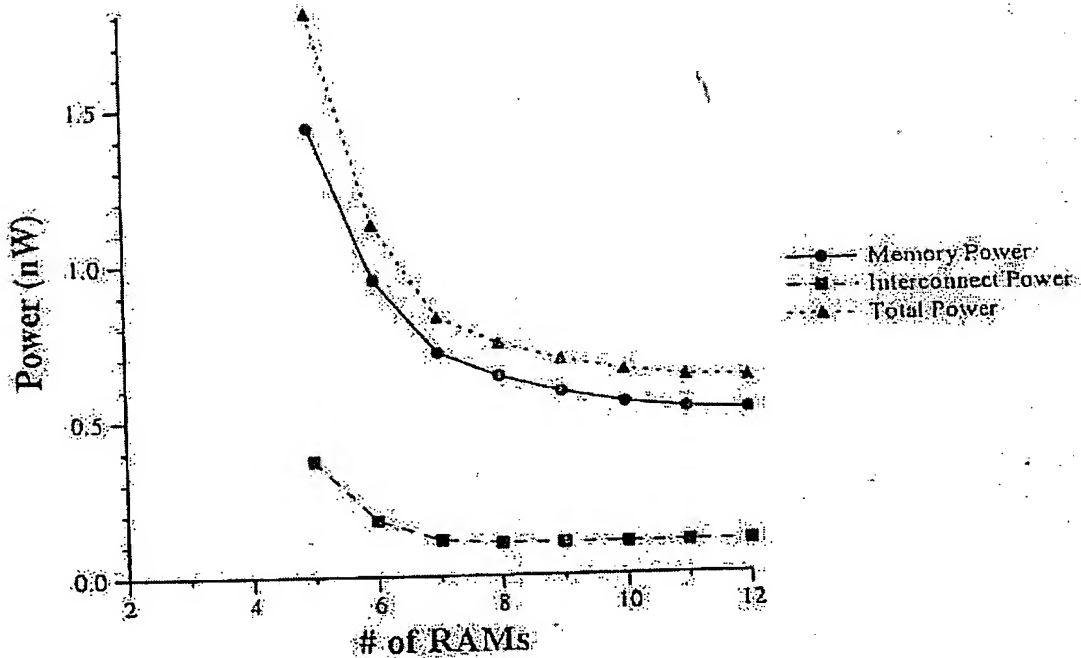


Fig. 35

DESIGN METHOD FOR ESSENTIALLY DIGITAL SYSTEMS AND
COMPONENTS THEREOF AND ESSENTIALLY DIGITAL SYSTEMS
MADE IN ACCORDANCE WITH THE METHOD

Catthoor et al.

Appl. No.: Unknown

Atty Docket: IMEC329.001AUS

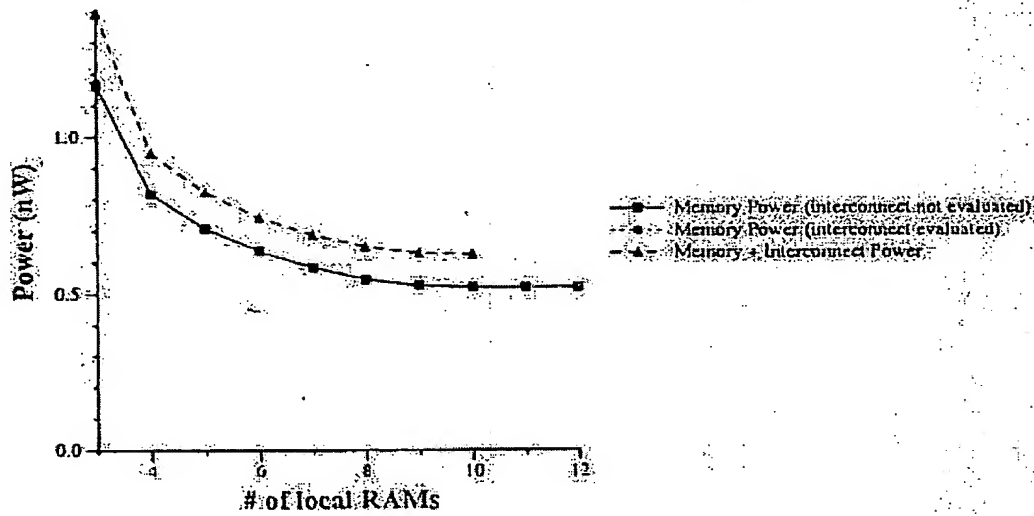


Fig. 36

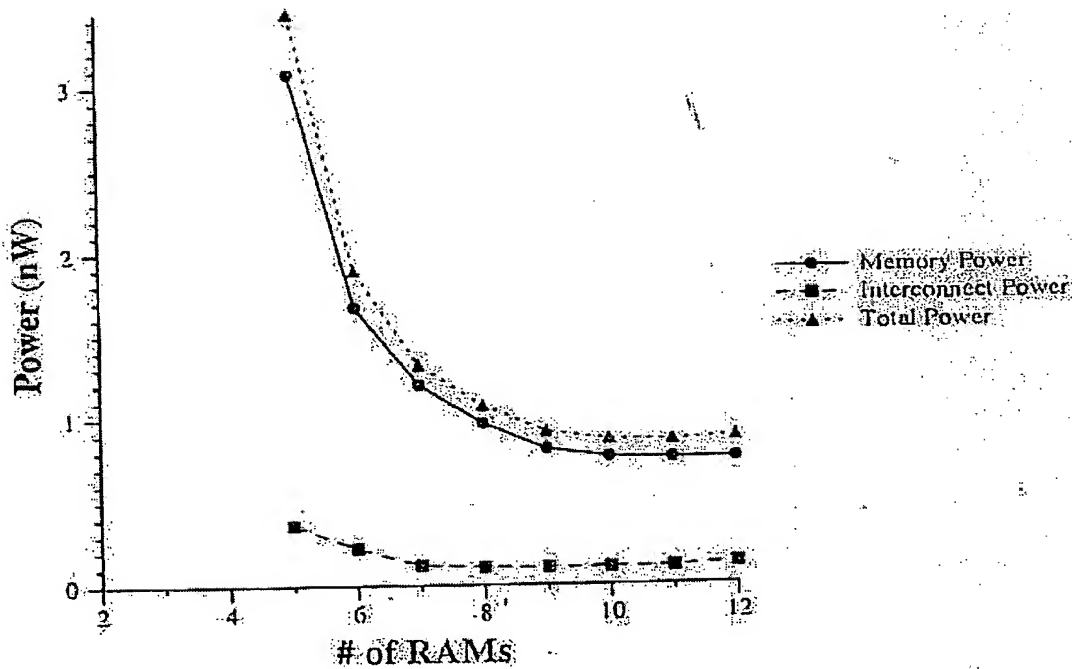


Fig. 37

Fig. 38

DESIGN METHOD FOR ESSENTIALLY DIGITAL SYSTEMS AND
COMPONENTS THEREOF AND ESSENTIALLY DIGITAL SYSTEMS
MADE IN ACCORDANCE WITH THE METHOD

Catthoor et al.

Appl. No.: Unknown

Atty Docket: IMEC329.001AUS

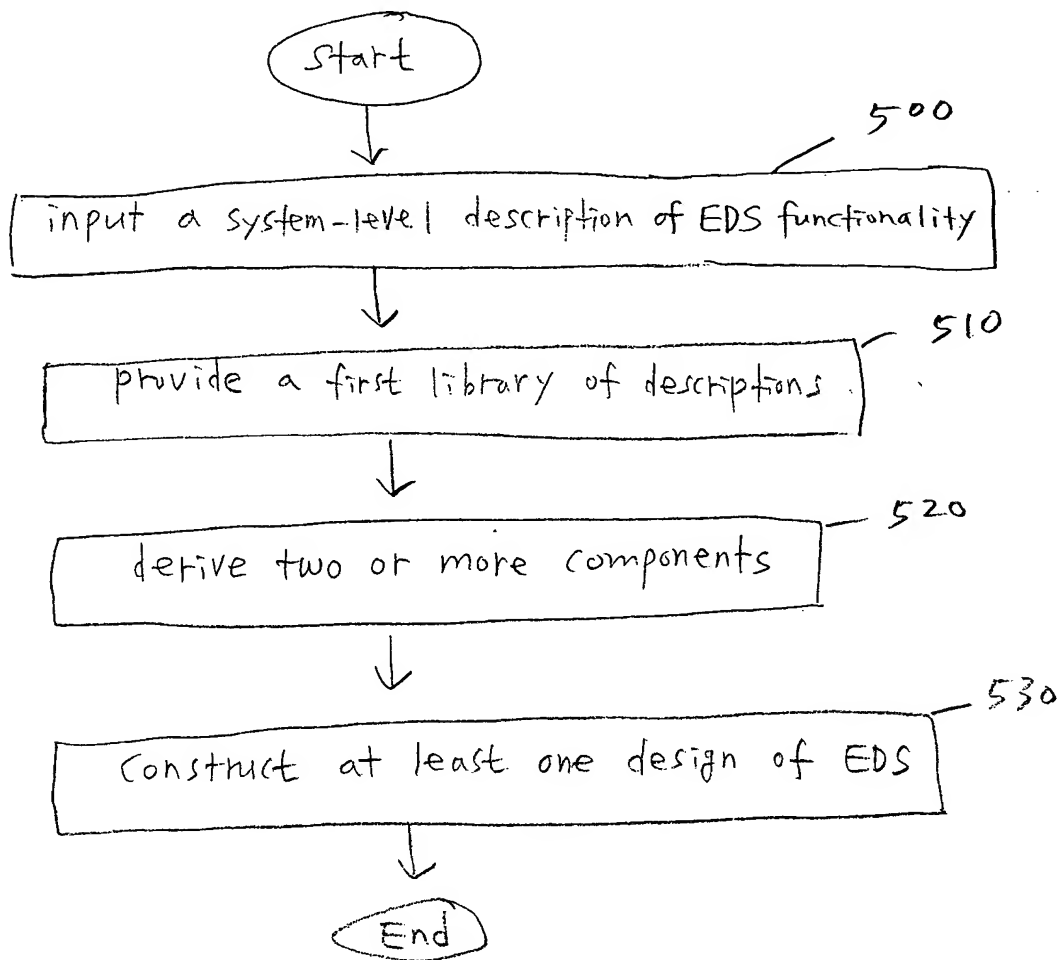


Fig. 39

